

Term	Course #	Course Name	Qtr. Cred.	Sem. Credits
<b>Quarter 1 Winter 2019</b>				
1	ENER1100	Energy Industry Fundamentals 45/0	4.5	3.0
1	ENER1110	Operator Safety 38/23	4.5	3.0
1	ENER1250	Emission Controls (Join 5th qtr)	3.0	2.0
1	PHYS1150	Physics	6.0	4.0
1	BSAD1010	MS Applications	4.5	3.0
		<b>Total 1st Term Credits</b>	<b>22.5</b>	<b>15.0</b>
<b>Quarter 2 Spring 2019</b>				
2	ENER1115	Mech. & Fluid Fundamentals	4.5	3.0
2	ENER1235	Technical Diagrams	3.0	2.0
2	ENGL1110	Business Communications	4.5	3.0
2	MATH1050	Math Course	4.5	3.0
2	SPCH	Any Speech Class	4.5	3.0
		<b>Total 2nd Term Credits</b>	<b>21.0</b>	<b>14.0</b>
<b>Semester 3 Fall 2019</b>				
3	ENER1210	Electrical Power Theory	6.0	4.0
3	ENER1255	Instrumentation & Control Systems	5.5	4.0
3	ENER2105	Boiler Systems	4.0	2.5
3	ENER2530	Process Plant Chemistry	3.0	2.0
		<b>Total 3rd Term Credits</b>	<b>18.5</b>	<b>12.5</b>
<b>Semester 4 Spring 2020</b>				
4	ENER1220	Process Dynamics	4.5	3.0
4	ENER2100	Motor Controls	4.5	3.0
4	ENER2102	Nuclear Energy	3.0	2.0
4	ENER2120	Steam Turbines	3.0	2.0
4	ENER2130	Green Energy	4.0	3.0
4	ENER2140	Electric Transmission & Distribution	3.0	2.0
		<b>Total 4th Term Credits</b>	<b>22.0</b>	<b>15.0</b>
<b>Semester 5 Fall 2020 Nuclear Focus</b>				
5	ACFS2020	Career Development	2.5	1.5
5	ENER1900	Internships	3.0	2.0
5N	ENER2135	Atomic Structures	4.5	3.0
5N	ENER2205	Nuclear Power Plant Layout	3.0	2.0
5N	ENER2220	Reactor Plant Material	3.0	2.0
5N	ENER2230	Radiation Detection & Protection	3.0	2.0
5N	ENER2240	Reactor Safety	3.0	2.0
		<b>Total Nuclear Focus 5th Term Credits</b>	<b>22.0</b>	<b>14.5</b>
<b>Semester 5 Fall 2020 Industrial Operations Focus</b>				
5	ACFS2020	Career Development	2.5	1.5
5	ENER1900	Internships	3.0	2.0
5P	ENER2300	Coal Plant Operations	4.5	3.0
5P	ENER2400	Gas Turbines & HRSG Systems + 3 lab sections	3.0	2.0
5P	ENER2500	Biofuels Process Fundamentals	4.5	3.0
5P	ENER2520	Microbial Ecology	3.0	2.0
		<b>Total Industrial Ops. Focus 5th Term Credits</b>	<b>20.5</b>	<b>13.5</b>
	<b>Total Credits</b>	<b>Nuclear Focus</b>	<b>106.0</b>	<b>71.0</b>

		<b>Total Credits</b>	<b>Industrial Process Focus</b>	<b>104.5</b>	<b>70.0</b>
<b>ELECTIVES</b>					
ANY	ENER1140	POSS Test Prep.		1.0	0.5
ANY	ENER1141	SO/PD Test Prep.		1.0	0.5
ANY	ENER2999	Special Project		2.0	2.0
		<b>Total Electives Credits</b>		<b>4.0</b>	<b>3.0</b>